

Listing of Claims:

1-37. (Cancelled)

37. (Previously presented) A method of monitoring a set of operational characteristics of a vehicle, comprising:

(a) wirelessly receiving, by a wireless appliance in a vehicle, a software component configured to identify a subset of a set of operational characteristics that are monitored by an on-board diagnostic computer of the vehicle, a user specified first schedule, and a user specified second schedule;

(b) processing the received software component;

(c) collecting from the vehicle's on-board diagnostic computer data for the subset of operational characteristics identified in the received software component according to said user specified first schedule;

(d) automatically, repeatedly, and wirelessly transmitting to a base station the collected data according to said user specified second schedule; and

(e) wirelessly transmitting to a base station data indicative of the vehicle's location, wherein the software component comprises an address that describes a location of a diagnostic datum in a computer memory in the vehicle,

wherein the software component comprises a first field configured to describe a user

specified first schedule for automatically, repeatedly collecting the data and second field configured to describe a user specified second schedule configured for automatically, repeatedly, and wirelessly transmitting to a base station said data, and

wherein the operational characteristics include at least one of the following: diagnostic trouble codes, vehicle speed, fuel level, fuel pressure, miles per gallon, engine RPM, mileage, oil pressure, oil temperature, tire pressure, tire temperature, engine coolant temperature, intake-manifold pressure, engine-performance tuning parameters, alarm status, accelerometer status, cruise-control status, fuel-injector performance, spark-plug timing, or a status of an anti-lock braking system.

38. (Previously presented) A method of monitoring a set of operational characteristics of a vehicle, comprising:

(a) wirelessly receiving, by a wireless appliance in a vehicle, a software component identifying a subset of a set of operational characteristics that are monitored by an on-board diagnostic computer of the vehicle, a user specified first schedule, and a user specified second schedule;

(b) processing the received software component;

(c) automatically, repeatedly collecting from the vehicle's on-board diagnostic computer data for the subset of operational characteristics identified in the received software component according to said user specified first schedule; and

(d) automatically, repeatedly, and wirelessly transmitting to a base station the collected data according to said user specified second schedule,

wherein the software component comprises a field configured to describe said user specified first schedule for automatically, repeatedly collecting the data and a second field configured to describe said user specified second schedule configured for automatically, repeatedly, and wirelessly transmitting to a base station said data.

39. (Cancelled)

40. (Previously presented) The method of claim 38, wherein the software component comprises an address that describes a location of a diagnostic datum in a computer memory in the vehicle.

41-42. (Cancelled)

43. (Previously presented) The method of claim 38, wherein the software component is an ASCII or binary data file.

44. (Previously presented) The method of claim 38, wherein the operational characteristics include at least one of the following: diagnostic trouble codes, vehicle speed, fuel

level, fuel pressure, miles per gallon, engine RPM, mileage, oil pressure, oil temperature, tire pressure, tire temperature, engine coolant temperature, intake-manifold pressure, engine-performance tuning parameters, alarm status, accelerometer status, cruise-control status, fuel-injector performance, spark-plug timing, or a status of an anti-lock braking system.

45. (Previously presented) The method of claim 38, further comprising wirelessly transmitting to a base station data indicative of the vehicle's location.

46. (Previously presented) The method of claim 38, wherein the vehicle is selected from a group comprising an automobile, truck, wheeled commercial equipment, heavy truck, power sport vehicle, collision repair vehicle, marine vehicle, and recreational vehicle.

47-50. (Cancelled)

51. (Previously presented) A method of monitoring a set of vehicles, comprising:

(a) wirelessly receiving, by a host computer, operational characteristics of a set of vehicles;

(b) displaying, on a first web interface of a web site, operational characteristics of a single vehicle selected from among said set of vehicles;

(c) displaying, on a second web interface of the web site, operational characteristics of multiple vehicles among said set of vehicles; and

(d) wirelessly transmitting to each of the set of vehicles a software component identifying a subset of a set of operational characteristics to be monitored by an on-board diagnostic computer of a target vehicle, wherein the software component comprises a first field configured to describe a user specified first schedule for automatically, repeatedly querying the vehicle's on-board diagnostic computer for the subset of operational characteristics identified in the software component and a second field configured to describe a user specified second schedule for automatically, repeatedly and wirelessly transmitting said data to the host computer,

wherein said multiple vehicles are associated with a single entity,

wherein said web site includes selectors corresponding to each of said set of operational characteristics, wherein said software component to be transmitted is configured to identify the selected operational characteristics,

wherein the first web interface comprises a first web page that displays a vehicle diagnostic datum,

wherein the first web page comprises data fields describing: (i) a name of a diagnostic datum; (ii) units corresponding to the diagnostic datum; and (iii) a numerical value corresponding to the diagnostic datum,

wherein the first web page further comprises multiple sets of diagnostic data associated with the single vehicle,

wherein the web site further comprises a login web page programmed to accept user name and password inputs of a user, and

wherein the web site is configured to determine whether the user is associated with the first or second web interface.

52. (Previously presented) A method of monitoring a set of vehicles, comprising:

(a) wirelessly transmitting to each of the set of vehicles a software component identifying a subset of a set of operational characteristics to be monitored by an on-board diagnostic computer located in each of the set of vehicles, wherein the software component comprises a first field configured to describe a user specified first schedule for automatically, repeatedly querying the vehicle's on-board diagnostic computer for the subset of operational characteristics identified in the software component and a second field configured to describe a user specified second schedule for automatically, repeatedly, and wirelessly transmitting to a host computer said data;

(b) wirelessly receiving, by the host computer, queried operational characteristics of the set of vehicles;

(c) displaying, on a first web interface of a web site, queried operational characteristics of a single vehicle selected from among said set of vehicles; and

(d) displaying, on a second web interface of the web site, queried operational

characteristics of multiple vehicles among said set of vehicles, wherein said multiple vehicles are associated with a single entity.

53. (Cancelled)

54. (Previously presented) The method of claim 52, wherein said web site includes selectors corresponding to each of said set of operational characteristics, wherein said software component to be transmitted is configured to identify the selected operational characteristics,

55. (Previously presented) The method of claim 52, wherein the first web interface comprises a first web page that displays a vehicle diagnostic datum.

56. (Previously presented) The method of claim 55, wherein the first web page comprises data fields describing: (i) a name of a diagnostic datum; (ii) units corresponding to the diagnostic datum; and (iii) a numerical value corresponding to the diagnostic datum.

57. (Previously presented) The method of claim 56, wherein the first web page further comprises multiple sets of diagnostic data associated with the single vehicle.

58. (Previously presented) The method of claim 55, wherein the first web page includes a graphical representation of a set of diagnostic data.

59. (Previously presented) The method of claim 52, wherein the web site further comprises a database component.

60. (Previously presented) The method of claim 52, wherein the web site further comprises a login web page programmed to accept user name and password inputs of a user.

61. (Previously presented) The method of claim 60, wherein the web site is configured to determine whether the user is associated with the first or second web interface.

62. (Previously presented) The method of claim 52, wherein the multiple vehicles are each associated with a single user.

63. (Previously presented) The method of claim 52, wherein the web site is configured to be displayed on a hand-held device.

64. (Previously presented) The method of claim 63, wherein the hand-held

device comprises a cellular telephone, computer, or personal digital assistant (PDA).

65. (Previously presented) The method of claim 52, further comprising sending an electronic communication including at least a portion of the operational characteristics of the single vehicle or multiple vehicles.

66. (Previously presented) The method of claim 52, further comprising analyzing a location of the single vehicle and displaying the location on at least one map.

67. (Previously presented) The method of claim 52, wherein the set of vehicles includes at least one vehicle selected from a group comprising an automobile, truck, wheeled commercial equipment, heavy truck, power sport vehicle, collision repair vehicle, marine vehicle, and recreational vehicle.

68. (Previously presented) The method of claim 52, wherein the set of vehicles includes a fleet of vehicles.

69. (Previously presented) A method of monitoring a set of vehicles, comprising:

(a) wirelessly transmitting, by a host computer, a software component,

wherein the software component identifies a subset of a set of operational characteristics

that are monitorable by an on-board diagnostic computer of a target vehicle among a set of vehicles,

wherein the software component comprises a first field configured to describe a user specified first schedule for automatically, repeatedly querying the vehicle's on-board diagnostic computer for the subset of operational characteristics identified in the software component and a second field configured to describe a user specified second schedule for automatically, repeatedly, and wirelessly transmitting to the host computer said data; and

(b) wirelessly receiving, by the host computer, collected vehicle data of the target vehicle, the collected data including the subset of monitorable operational characteristics identified in the transmitted software component.

70. (Previously presented) The method of claim 69, wherein the software component is associated with a predetermined group of vehicles.

71. (Previously presented) The method of claim 70, wherein the predetermined group of vehicles have at least one attribute in common.

72. (Previously presented) The method of claim 69, wherein the set of vehicles includes at least one vehicle selected from a group comprising an automobile, truck, wheeled commercial equipment, heavy truck, power sport vehicle, collision repair vehicle,

marine vehicle, and recreational vehicle.

73-97. (Cancelled)